

# Tacoma Narrows Bridge Toll Rate Setting

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**Washington State Transportation Commission**  
**April 22, 2009**



Washington State  
Department of Transportation

# Tacoma Narrows Bridge Projected and Reported Traffic and Revenue - FY 2008

	Projected Traffic	Reported Traffic	Variance	Projected Revenue	Reported Revenue	Variance
Jul-07	627,125	669,112	41,987	\$ 1,477,654	\$ 1,632,584	\$ 154,930
Aug-07	1,215,055	1,332,870	117,815	\$ 2,862,954	\$ 3,067,899	\$ 204,945
Sep-07	1,151,365	1,239,899	88,534	\$ 2,703,659	\$ 2,851,425	\$ 147,766
Oct-07	1,163,238	1,242,452	79,214	\$ 2,672,600	\$ 2,841,142	\$ 168,542
Nov-07	1,105,981	1,165,713	59,732	\$ 2,530,697	\$ 2,677,011	\$ 146,314
Dec-07	1,167,808	1,168,451	643	\$ 2,651,153	\$ 2,324,712	\$ (326,441)
Jan-08	1,174,117	1,136,524	(37,593)	\$ 2,502,701	\$ 2,551,743	\$ 49,042
Feb-08	1,175,347	1,123,604	(51,743)	\$ 2,501,786	\$ 2,492,421	\$ (9,365)
Mar-08	1,295,838	1,194,321	(101,517)	\$ 2,756,084	\$ 2,746,591	\$ (9,493)
Apr-08	1,236,939	1,176,209	(60,730)	\$ 2,624,481	\$ 2,612,714	\$ (11,767)
May-08	1,299,701	1,243,452	(56,249)	\$ 2,776,801	\$ 2,870,632	\$ 93,831
Jun-08	1,255,786	1,203,867	(51,919)	\$ 2,632,724	\$ 2,776,812	\$ 144,088
<b>FY Total</b>	<b>13,868,300</b>	<b>13,896,474</b>	<b>28,174</b>	<b>\$ 30,693,294</b>	<b>\$ 31,445,685</b>	<b>\$ 752,391</b>

July-Dec 2007 projections based on the forecast dated April 2007.

Jan-May 2008 projections based on the forecast dated February 2008.

June 2008 projections based on the forecast dated June 2008.

Reported Revenue includes toll revenue, violations fees and transponder sales.

Reported Revenue aligns with Fund 511 Financial Statements for TNB Toll Operations.

# Tacoma Narrows Bridge Projected and Reported Traffic and Revenue - FY 2009

	Projected Traffic	Reported Traffic	Variance	Projected Revenue	Reported Revenue	Variance
Jul-08	1,255,786	1,260,676	4,890	\$ 3,947,017	\$ 4,209,591	\$ 262,574
Aug-08	1,266,537	1,249,245	(17,292)	\$ 4,004,336	\$ 4,141,957	\$ 137,621
Sep-08	1,161,754	1,186,566	24,812	\$ 3,671,588	\$ 3,927,936	\$ 256,348
Oct-08	1,180,928	1,192,760	11,832	\$ 3,710,680	\$ 3,904,240	\$ 193,560
Nov-08	1,107,862	1,094,721	(13,141)	\$ 3,476,427	\$ 3,667,511	\$ 191,084
Dec-08	1,167,554	1,000,687	(166,867)	\$ 3,645,072	\$ 3,264,950	\$ (380,122)
Jan-09	1,115,745	1,116,257	512	\$ 3,478,990	\$ 3,677,864	\$ 198,874
Feb-09	1,117,296	1,039,376	(77,920)	\$ 3,480,591	\$ 3,358,119	\$ (122,472)
Mar-09	1,155,743	1,155,283	(460)	\$ 3,604,720	\$ 3,801,207	\$ 196,487
Apr-09	1,103,203			\$ 3,436,794		
May-09	1,159,417			\$ 3,635,357		
Jun-09	1,172,817			\$ 3,665,607		
<b>FY Total</b>	<b>13,964,642</b>	<b>10,295,571</b>	<b>(233,634)</b>	<b>\$ 43,757,179</b>	<b>\$ 33,996,371</b>	<b>\$ 933,953</b>

July 2008 - August 2008 projections based on forecast dated June 2008.

September 2008 - November 2008 projections based on forecast dated September 2008.

December 2008 - February 2009 projections based on forecast dated November 2008.

March 2009 - June 2009 projections based on forecast dated March 2009.

Reported Revenue includes toll revenue, violations fees and transponder sales.

Reported Revenue aligns with Fund 511 Financial Statements for TNB Toll Operations.

# Tacoma Narrows Bridge Toll Account

## Financial Plan – April 2009

### Tacoma Narrows Toll Bridge Account (511)

Draft Financial Plan - April 2, 2009

Base Case (CAC December 2008 Toll Rate Recommendation) - No change to current toll rate in FY10. FY11 rate assumes no ETC, consistent with the March 2009 Adopted Forecast.  
(in thousands)

Fiscal Year	2003	2004	2005	2006	2007	2008	Current 2009	2010	2011	Total Through 2011
<b>Toll Rate (ETC/Cash)</b>						\$1.75/\$3.00	\$2.75/\$4.00	\$2.75/\$4.00	\$4.00/\$4.00	
<b>Beginning Fund Balance</b>	-	36,524	34,597	17,076	44,846	18,095	9,995	13,677	9,448	
<b>Operations</b>										
<b>Sources of Funds</b>										
Interest Earnings from Tacoma Narrows Account (511)* †	-	-	-	10	59	250	240	110	215	884
Interest Earnings from Toll Collections Account (495)* †	-	-	-	-	-	3	96	96	96	291
Donations*	-	-	-	-	-	102	-	-	-	102
Toll Revenue	-	-	-	-	-	29,960	43,077	43,294	58,074	174,404
Transponder Revenue	-	-	-	-	-	760	567	566	585	2,477
Violation Revenue	-	-	-	-	-	467	798	579	579	2,422
Miscellaneous Revenue‡	-	-	-	-	913	178	29	-	-	1,119
Debt Service Withholding*	-	-	-	-	-	(14,689)	(26,915)	(34,925)	(44,955)	(121,484)
Transfers from/(to) Other Accounts*	-	-	-	1,300	5,288	-	-	-	(5,288)	1,300
<b>Total Sources of Funds for Operations</b>	-	-	-	1,310	6,260	17,030	17,892	9,719	9,306	61,516
<b>Uses of Funds*</b>										
WSDOT Oversight & Admin. of Toll Operations	-	-	-	171	1,321	2,005	1,538	1,773	1,942	8,750
Toll Systems Operations (TransCore Contract)	-	-	-	368	3,428	9,852	7,739	7,747	7,913	37,047
Maintenance of New Bridge	-	-	-	-	-	103	745	831	841	2,520
Preservation of New Bridge, Roadway & Toll Systems	-	-	-	-	-	-	417	136	546	1,099
Enforcement and Security	-	-	-	-	-	746	456	342	342	1,886
Insurance	-	-	-	-	-	2,680	1,345	3,455	3,529	11,009
Adjustment for Current Legislative Budget Proposals	-	-	-	539	4,748	15,386	12,240	(1,020)	(1,020)	(2,039)
<b>Total Uses of Funds for Operations</b>	-	-	-	539	4,748	15,386	12,240	13,265	14,993	60,271
<b>Current Year Balance for Operations (Sources - Uses)</b>	-	-	-	771	1,511	1,644	5,652	(3,545)	(4,787)	1,245
<b>Capital</b>										
<b>Sources of Funds</b>										
Interest Earnings †	2,125	1,239	774	1,522	1,795	805	355	105	-	8,720
Bond Proceeds	231,207	197,234	108,634	111,986	16,002	12,716	-	-	-	677,780
Capitalized Interest (Debt Service)	-	-	-	(1,792)	(2,580)	-	-	-	-	(4,372)
Charges for Services	-	-	4	2	145	-	-	-	-	152
Transfers from/(to) Other Accounts	39,000	-	-	-	-	-	-	-	-	39,000
<b>Total Sources of Funds for Capital</b>	272,332	198,473	109,412	111,719	15,362	13,522	355	105	-	721,279
<b>Uses of Funds</b>										
Capital Expenditures	235,808	200,400	127,046	84,720	43,623	23,319	2,726	2,496	-	720,138
Other Uses of Funds‡	-	-	(113)	-	-	(54)	(400)	-	-	(567)
Adjustment for Current Legislative Budget Proposals	-	-	-	-	-	-	-	(1,708)	-	(1,708)
<b>Total Uses of Funds for Capital</b>	235,808	200,400	126,933	84,720	43,623	23,265	2,326	788	-	717,863
<b>Current Year Balance for Capital (Sources - Uses)</b>	36,524	(1,927)	(17,521)	26,999	(28,262)	(9,744)	(1,971)	(683)	-	3,416
<b>Ending Fund Balance</b>	36,524	34,597	17,076	44,846	18,095	9,995	13,677	9,448	4,661	
<b>Debt Service Reserve = Ending Fund Balance / Annual Toll Revenue</b>								21.8%	8.0%	
<b>Debt Service Coverage = (Annual Revenue - Annual Uses of Funds) / Annual Debt Service</b>						111.2%	121.0%	89.8%	89.4%	

\* For GAAP purposes, Interest Earnings, Donations, Debt Service and Transfers displayed as Operations Sources of Funds are considered to be Nonoperating Activities.

† Interest income displayed is net of the cost of investment activities. Total interest earnings match accounting records. Allocations between Capital and Operations Sources of Funds are still under review.

‡ Includes contractor liquidated damages for late project delivery and 53% of other revenue, such as NSF check charges.

§ The repayment of \$5.268m to the Motor Vehicle Account is included in the current legislative budget proposals. There is no direction as to whether the transfer be made in FY10 or FY11.

+ Uses of Funds for Operations reflects the Enacted 2009 Supplemental Budget (\$700k reduction to Maintenance and \$4k increase to fuel costs) and the current legislative budget proposal for 2009-11.

± Includes prior period recoveries.



# Tacoma Narrows Bridge Toll Account

## Toll Rate Scenarios – April 2009

Tacoma Narrows Toll Bridge Account (511)  
Toll Rate Scenarios - April 2, 2009  
(in thousands)

Fiscal Year	2010 CAC Recommended "Base Case" 2011 Original Assumption Scenario 1		Scenario 2		2010 Trans. Commission March Proposal 2011 Original Assumption Scenario 3		Scenario 4		Scenario 5		Scenario 6		Scenario 7		Scenario 8		Scenario 9	
	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011	2010	2011
<b>Toll Rate (ETC/Cash)</b>	<b>\$2.75/\$4.00</b>	<b>\$4.00/\$4.00</b>	<b>\$3.00/\$4.00</b>	<b>\$4.00/\$4.00</b>	<b>\$3.25/\$4.00</b>	<b>\$4.00/\$4.00</b>	<b>\$2.75/\$4.00</b>	<b>\$3.75/\$4.00</b>	<b>\$3.00/\$4.00</b>	<b>\$3.75/\$4.00</b>	<b>\$3.25/\$4.00</b>	<b>\$3.75/\$4.00</b>	<b>\$2.75/\$4.00</b>	<b>\$3.75/\$5.00</b>	<b>\$3.00/\$4.00</b>	<b>\$3.75/\$5.00</b>	<b>\$3.25/\$4.00</b>	<b>\$3.75/\$5.00</b>
<b>Beginning Fund Balance</b>	<b>13,677</b>	<b>9,448</b>	<b>13,677</b>	<b>11,784</b>	<b>13,677</b>	<b>14,215</b>	<b>13,677</b>	<b>9,448</b>	<b>13,677</b>	<b>11,784</b>	<b>13,677</b>	<b>14,215</b>	<b>13,677</b>	<b>9,448</b>	<b>13,677</b>	<b>11,784</b>	<b>13,677</b>	<b>14,215</b>
<b>Operations</b>																		
<b>Sources of Funds</b>																		
Interest Earnings from Tacoma Narrows Account (511)*	110	215	110	215	110	215	110	215	110	215	110	215	110	215	110	215	110	215
Interest Earnings from Toll Collections Account (495)*	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96
Donations*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toll Revenue based on November 2008 Forecast	45,192	60,514	47,891	60,514	50,168	60,514	45,192	58,412	47,891	58,412	50,168	58,412	45,192	61,214	47,891	61,214	50,168	61,214
Reduction due to March 2009 Forecast	(1,898)	(2,740)	(2,890)	(2,740)	(2,197)	(2,740)	(1,898)	(2,833)	(2,090)	(2,833)	(2,197)	(2,833)	(1,898)	(2,894)	(2,090)	(2,894)	(2,197)	(2,894)
Transporter Revenue	566	565	566	565	566	565	566	565	566	565	566	565	566	565	566	565	566	565
Violation Revenue	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579	579
Miscellaneous Revenue*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Debt Service Withholding*	(34,925)	(44,955)	(34,925)	(44,955)	(34,925)	(44,955)	(34,925)	(44,955)	(34,925)	(44,955)	(34,925)	(44,955)	(34,925)	(44,955)	(34,925)	(44,955)	(34,925)	(44,955)
Transfers from/to Other Accounts* ‡	-	(5,288)	-	(5,288)	-	(5,288)	-	(5,288)	-	(5,288)	-	(5,288)	-	(5,288)	-	(5,288)	-	(5,288)
<b>Total Sources of Funds for Operations</b>	<b>9,719</b>	<b>9,306</b>	<b>12,065</b>	<b>9,306</b>	<b>14,486</b>	<b>9,306</b>	<b>9,719</b>	<b>7,011</b>	<b>12,065</b>	<b>7,011</b>	<b>14,486</b>	<b>7,011</b>	<b>9,719</b>	<b>9,552</b>	<b>12,065</b>	<b>9,552</b>	<b>14,486</b>	<b>9,552</b>
<b>Uses of Funds*</b>																		
WSDOT Oversight & Admin. of Toll Operations	1,773	1,942	1,773	1,942	1,773	1,942	1,773	1,942	1,773	1,942	1,773	1,942	1,773	1,942	1,773	1,942	1,773	1,942
Toll Systems Operations (TransCore Contract)	7,747	7,913	7,747	7,913	7,747	7,913	7,747	7,913	7,747	7,913	7,747	7,913	7,747	7,913	7,747	7,913	7,747	7,913
Maintenance of New Bridge	831	841	831	841	831	841	831	841	831	841	831	841	831	841	831	841	831	841
Preservation of New Bridge, Roadway & Toll Systems	136	546	136	546	136	546	136	546	136	546	136	546	136	546	136	546	136	546
Enforcement and Security	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342	342
Insurance	3,455	3,529	3,455	3,529	3,455	3,529	3,455	3,529	3,455	3,529	3,455	3,529	3,455	3,529	3,455	3,529	3,455	3,529
Adjustment for Current Legislative Budget Proposals	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)	(1,020)
<b>Total Uses of Funds for Operations</b>	<b>13,265</b>	<b>14,093</b>	<b>13,265</b>	<b>14,093</b>	<b>13,265</b>	<b>14,093</b>	<b>13,265</b>	<b>14,093</b>	<b>13,265</b>	<b>14,093</b>	<b>13,265</b>	<b>14,093</b>	<b>13,265</b>	<b>14,093</b>	<b>13,265</b>	<b>14,093</b>	<b>13,265</b>	<b>14,093</b>
<b>Current Year Balance for Operations (Sources - Uses)</b>	<b>(3,546)</b>	<b>(4,787)</b>	<b>(1,209)</b>	<b>(4,787)</b>	<b>1,222</b>	<b>(4,787)</b>	<b>(3,546)</b>	<b>(7,082)</b>	<b>(1,209)</b>	<b>(7,082)</b>	<b>1,222</b>	<b>(7,082)</b>	<b>(3,546)</b>	<b>(4,541)</b>	<b>(1,209)</b>	<b>(4,541)</b>	<b>1,222</b>	<b>(4,541)</b>
<b>Capital</b>																		
<b>Sources of Funds</b>																		
Interest Earnings†	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-	105	-
Bond Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capitalized Interest (Debt Service)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Charges for Services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfers from/to Other Accounts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Sources of Funds for Capital</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>-</b>
<b>Uses of Funds</b>																		
Capital Expenditures	2,496	-	2,496	-	2,496	-	2,496	-	2,496	-	2,496	-	2,496	-	2,496	-	2,496	-
Other Uses of Funds‡	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment for Current Legislative Budget Proposals	(1,708)	-	(1,708)	-	(1,708)	-	(1,708)	-	(1,708)	-	(1,708)	-	(1,708)	-	(1,708)	-	(1,708)	-
<b>Total Uses of Funds for Capital</b>	<b>788</b>	<b>-</b>	<b>788</b>	<b>-</b>	<b>788</b>	<b>-</b>	<b>788</b>	<b>-</b>	<b>788</b>	<b>-</b>	<b>788</b>	<b>-</b>	<b>788</b>	<b>-</b>	<b>788</b>	<b>-</b>	<b>788</b>	<b>-</b>
<b>Current Year Balance for Capital (Sources - Uses)</b>	<b>(683)</b>	<b>-</b>	<b>(683)</b>	<b>-</b>	<b>(683)</b>	<b>-</b>	<b>(683)</b>	<b>-</b>	<b>(683)</b>	<b>-</b>	<b>(683)</b>	<b>-</b>	<b>(683)</b>	<b>-</b>	<b>(683)</b>	<b>-</b>	<b>(683)</b>	<b>-</b>
<b>Ending Fund Balance</b>	<b>9,448</b>	<b>4,661</b>	<b>11,784</b>	<b>6,997</b>	<b>14,215</b>	<b>9,429</b>	<b>9,448</b>	<b>2,366</b>	<b>11,784</b>	<b>4,702</b>	<b>14,215</b>	<b>7,133</b>	<b>9,448</b>	<b>4,907</b>	<b>11,784</b>	<b>7,243</b>	<b>14,215</b>	<b>9,674</b>
<b>Debt Service Reserve = Ending Fund Balance / Annual Toll Revenue</b>	<b>20.9%</b>	<b>7.7%</b>	<b>24.7%</b>	<b>11.5%</b>	<b>28.3%</b>	<b>15.5%</b>	<b>20.9%</b>	<b>4.1%</b>	<b>24.7%</b>	<b>8.0%</b>	<b>28.3%</b>	<b>12.2%</b>	<b>20.9%</b>	<b>9.0%</b>	<b>24.7%</b>	<b>11.3%</b>	<b>28.3%</b>	<b>15.8%</b>
<b>Debt Service Coverage</b>																		
<b>= (Annual Revenue - Annual Uses of Funds) / Annual Debt Service</b>	<b>95.8%</b>	<b>89.4%</b>	<b>96.5%</b>	<b>89.4%</b>	<b>103.5%</b>	<b>89.4%</b>	<b>89.5%</b>	<b>84.2%</b>	<b>96.5%</b>	<b>84.2%</b>	<b>103.5%</b>	<b>84.2%</b>	<b>89.8%</b>	<b>89.9%</b>	<b>96.5%</b>	<b>89.9%</b>	<b>103.5%</b>	<b>89.9%</b>

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• Includes prior period recoveries.

**For more information:**

**[www.wsdot.wa.gov/operations/tolling](http://www.wsdot.wa.gov/operations/tolling)**

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